

Amendment to the Claims

1. (Previously Presented) A system for treatment and transportation of a flow of fluid hydrocarbons containing water, the system including the following elements which are connected to each other and are listed in a direction of flow:

a connection to a hydrocarbon source;

a first heat exchanger;

a reactor;

a second heat exchanger;

a separator; and

a pipeline,

said system further comprising a line which leads from the separator to the reactor and is provided with a pump adapted to recycle material from the separator back to the reactor.

2. (Previously Presented) The system as claimed in claim 1, wherein an inside of the reactor is coated with a water-repellent material.

3. (Previously Presented) The system as claimed in claim 1, further comprising a mixer located between the first heat exchanger and the reactor.

4. (Previously Presented) The system as claimed in claim 1, further comprising means for adding chemicals to the flow upstream of the reactor.

5. (Previously Presented) The system as claimed in claim 1, further comprising means, located between the separator and the pipeline, for mixing the flow from the separator with wet gas before the flow enters the pipeline.

6. (Previously Presented) The system as claimed in claim 1, further comprising another separator, located between the second heat exchanger and the separator, for recovering hydrocarbon gas from the flow.

7. (Previously Presented) The system as claimed in claim 1, further comprising means for adding cooled condensate under pressure to the line from the separator to the reactor.

8. (Previously Presented) The system as claimed in claim 2, further comprising a mixer located between the first heat exchanger and the reactor.

9. (Previously Presented) The system as claimed in claim 2, further comprising means for adding chemicals to the flow upstream of the reactor.

10. (Previously Presented) The system as claimed in claim 3, further comprising means for adding chemicals to the flow upstream of the reactor.

11. (New) A system for treatment and transportation of a flow of fluid hydrocarbons containing water, the system comprising:

a first heat exchanger having an inlet for connection to a hydrocarbon source;

a reactor connected to an outlet of said first heat exchanger;

a second heat exchanger connected to an outlet of said reactor;

a separator connected to an outlet of said second heat exchanger such that said second heat exchanger is positioned between said reactor and said separator;

a pipeline, disposed downstream of said separator, for receiving a portion of the fluid separated in said separator;

a recycle line, connected to an outlet of said separator and an inlet of said reactor, for recycling residual fluid from said separator back to said reactor; and

a pump, located in said recycle line, for pumping the residual fluid from said separator back into said reactor.

12. (New) The system as claimed in claim 11, further comprising mixing means for mixing the portion of fluid from said separator with wet gas before entering the pipeline.

13. (New) The system as claimed in claim 11, wherein said second heat exchanger is directly connected to the outlet of said reactor.

14. (New) The system as claimed in claim 11, further comprising a mixer disposed between said first heat exchanger and said reactor, wherein an inlet of said mixer is directly connected to an outlet of said first heat exchanger and an outlet of said mixer is directly connected to an inlet of said reactor.